

**DEPARTMENT OF TOXIC SUBSTANCES CONTROL**  
**WEEKLY PROJECT UPDATE**  
**ZENECA/FORMER STAUFFER CHEMICAL SITE**  
Richmond, California  
Activities for January 17 through 21, 2005

**Site Activities**

- DTSC personnel were present at the site Tuesday through Friday (Monday, January 17 was a state holiday). DTSC staff continues to observe the loading and decontamination of trucks off-hauling the marsh sediments from the Upland stockpile area and from the Upper Lagoon in the Habitat Restoration Area (wetlands area), and monitor site conditions (including air monitoring) in the Upland area.
- Off-hauling of excavated sediments from the Upper Lagoon occurred on January 19, 20 and 21st. Approximately 700 tons of hazardous waste sediments were transported to Kettleman Hills Landfill for proper solidification and disposal.
- Approximately 7,500 cubic yards of sediments excavated from the marsh area has been transferred to the Upland stockpile area for solidification with lime. The lime solidification process has been modified in order to meet air quality standards. Beginning on Tuesday, January 18<sup>th</sup>, a machine was used to spread the lime on the sediments, and another machine was used to mix the lime into the sediment. DTSC staff was present to observe the operations and only observed minimal amounts of steam being generated.
- Approximately 3100 tons of non-hazardous marsh sediments were off-hauled to Altamont Landfill and Keller Canyon Landfill for proper disposal.
- Approximately 10,000 cubic yards of backfill material was brought onto the site.

**Air Monitoring**

Beginning with the air samples collected during the week of January 10, 2005, additional chemical analysis will include polychlorinated biphenyls (PCBs), additional pesticides, and the volatile compounds formaldehyde and carbon disulfide. The analytical results from the air samples are anticipated to be available the week of January 24.

Results of the range of real-time air monitoring for January 14-20 conducted by both CSV and DTSC are as follows:

- Hydrogen Sulfide Monitoring Results  
**Action level – 0.03 parts per million (ppm)**  
CSV Measurement: 0.000 to 0.009 ppm  
DTSC Measurement: 0.000 to 0.007 ppm

- Volatile Organic Compounds Monitoring Results  
**Action Level – 1 ppm**  
 CSV Measurement: 0.0 to 0.5 ppm  
 DTSC Measurement: 0.0 to 0.3 ppm
- Total Dust Monitoring Results  
**0.5 milligrams per cubic meter (mg/m<sup>3</sup>) [5 minute average] = stop work**  
 CSV Measurement: 0.000 to 0.175 mg/m<sup>3</sup>  
*The 0.175 mg/m<sup>3</sup> reading was obtained on January 18 from monitoring Station 3, located near South 50<sup>th</sup> Street. Ambient air quality was elevated in the Bay Area on this day.*  
 DTSC Measurement: 0.000 to 0.225 mg/m<sup>3</sup>  
*The 0.225 mg/m<sup>3</sup> reading was obtained on January 18 from near the Upland area where lime-mixing was occurring.*

### **Correspondence**

- No new correspondence was prepared this week.

### **Public Participation**

- DTSC will be sending an information fact sheet and survey that will be mailed to the community the week of January 24, 2005.
- DTSC continues to talk with the community. One community member called to seek information about a Community Advisory Group (CAG) and requested instructions on how to form a CAG.